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WITHOUT PENCIL AND PAPER

By L. W. HENDERSHOTT

No. 19

Trains leave New York and Chicago hourly, bound for the other city. Traveling on double track they require twenty-two hours to make the trip. How many trains traveling in the opposite direction does each train pass during the trip.

No. 20

If a clock takes six seconds to strike six times how long does it take to strike twelve times?

No. 21

A theoretical metal band is fitted tightly around the earth at the equator. If a piece eight feet long were added to the band would it make an appreciable difference in the tightness of the fit? Could you crawl under the band?

No. 22

Mary is twenty-four years old. Mary is twice as old as Ann was when Mary was the age Ann is now. How old is Ann?

(Answers on page 26)

Ralph M. Parsons Construction Co. in Chicago immediately after graduation. (Lucky stiff!)

P.S. He alone, of all the Ch. E's., admits that the Allies won the World War. Imagine!

Joseph Vasilosky is another of those super he-men, which chews terbacca fluidly (?) He had the misfortune to have to change his Lithuanian name of Vasiliauskas to his present one, because one of his grammar-school teachers couldn't spell it! Joe^o disliked eight o'clock classes, but has worked at Fisher Body Plant in Cleveland, so he must be able to get up by now, anyway.

Looky, looky, looky, here comes—yessir, none other than that fightin' man, **Norbert A. Voss**, captain of O. S. U's fencers! Be careful there, boy; he has a wrist as strong as a horse and arms like greased lightning, they say. A swell fellow, Norbert, but I'll take pistols, pleez!

William R. Ward went south for gold, under the auspices of the Standard Oil Co. of N. J. He developed himself all in one year by going out for frosh wrestling (oh, yeah!), also frosh Y-council. He acquired that amooosing habit of twiddling his thumbs from following telegraphy as a hobby, and "Pratt" is his middle name, not his nick-name!

A gold fiend is **Paul W. Wilcox**, which means his middle name is "Wing" for good reasons, probably. When asked, "Why didn't you shave this morning?", he sez, sez he, "Aw g'wan, thet's jist the hair on my chist!" Needless to say, his most popular hobby is having dates.

And last, but not necessarily least, comes Mama's lil T-Bone steak, **Arthur A. Wuest**. Vice-president of the A. I. Ch. E., he fittingly adjourns the session until "the next Sattidy night."

WITHOUT PENCIL AND PAPER

ANSWER

No. 19 Each would pass forty-five trains, counting those it meets in the station.

No. 20 It would take thirteen and one fifth seconds to strike 12 times.

No. 21 The band would theoretically be lifted from the earth a distance of eight feet divided by two pi, which would allow ample space for an ordinary man to crawl under.

No. 22 Ann is eighteen.

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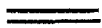


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